

JAP7 Rec'd PCT/PTO 24 MAY 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>HAMM0012UPCTUS</b>
INTERNATIONAL APPLICATION NO. <b>PCT/EP2004/13296</b>	INTERNATIONAL FILING DATE <b>November 23, 2004</b>	PRIORITY DATE CLAIMED <b>November 25, 2003</b>
TITLE OF INVENTION <b>Fabrication of Cooling and Heat Transfer Systems by Electroforming</b>		
APPLICANT(S) FOR DO/EO/US		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.1)	INTERNATIONAL APPLICATION NO.			ATTORNEY'S DOCKET NUMBER	
<b>10/580397</b>	PCT/EP2004/13296			HAMM0012UPCTUS	
20. Other items or information: 37 CFR 1.33 Request to use customer number 31518 for correspondence and attorneys of record Copy of Specification and Figures from International Application 37 CFR 1.98(A)(1) Reference Citation Listing References P-001, F-001-F-002, and O-001-O-003 Copies of References F-001-F-002 and O-001-O-003 Unexecuted Italian Language Declaration and Power of Attorney Advance Serial Number Card					
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200				\$ 200.00	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))  If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500				\$ 400.00	
<b>TOTAL OF 21, 22 and 23 =</b>				900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	22 - 20 =	2	x \$ 50	\$ 100.00	
Independent claims	3 - 3 =	0	x \$200	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	\$
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 100.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.					
				<b>SUBTOTAL =</b>	\$ 1000.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				+	\$
				<b>TOTAL NATIONAL FEE =</b>	\$ 1000.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$
				<b>TOTAL FEES ENCLOSED =</b>	\$ 1000.00
				Amount to be refunded:	\$
				Amount to be charged	\$

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- a.  A check in the amount of \$ 1000.00 to cover the above fees is enclosed.
- b.  Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2106. A duplicate copy of this sheet is enclosed.
- d.  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.**

SEND ALL CORRESPONDENCE TO:

Neifeld IP Law, PC  
4813-B Eisenhower Avenue  
Alexandria, Virginia 22304

5/24/06



SIGNATURE  
Richard A. Neifeld

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NAME  
35,299

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REGISTRATION NUMBER

10/580547  
IAP9 Rec'd PCT/PTO 24 MAY 2006

NEIFELD IP LAW, P.C.  
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**37 CFR 1.7(c) FILING RECEIPT AND  
TRANSMITTAL LETTER WITH  
AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT**

Neifeld Docket No.: HAMM0012UPCTUS

Client Ref.:

US/PCT Application/Patent No.: Unknown

US/PCT File/Issue Date: Herewith

Priority Data: National Stage of PCT/EP2004/13296 filed 11/23/04 USPTO Confirmation No.:

Inventor: BANHAM et al.

Title: Fabrication of Cooling and Heat Transfer Systems by Electroforming

**THE FOLLOWING HAS BEEN RECEIVED IN THE U.S. PATENT OFFICE ON  
THE DATE STAMPED HEREON:**

37 CFR 1.7(c) Filing Receipt and Transmittal Letter with Authorization to Charge Deposit Account (in duplicate)

Check for \$1,000.00

Transmittal Letter to the United States Designated/Elected Office Concerning a Submission Under 35 USC 371 (3 pages, in duplicate)

37 CFR 1.115 Preliminary Amendment (10 Pages)

37 CFR 1.33 Request to Use Customer Number 31518 for Correspondence and Attorneys of Record

37 CFR 1.97 Information Disclosure Statement and Authorization to Charge Deposit Account Listing References P-001, F-001, F-002, and P-001-P-003 (in duplicate)

Copies of References F-001, F-002, and P-001-P-003

Substitute Specification (22 pages)

Specification, Figures and Claims of PCT/EP2004/13296 filed November 23, 2004, published as WO 2005/054547 (17 pages)

Unexecuted Italian Language Declaration and Power of Attorney (3 pages)

Advance Serial Number Card

The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 50-2106. A duplicate copy of this sheet is enclosed.

5/24/06  
DATE

Respectfully Submitted,

Richard A. Neifeld  
Registration No. 35,299  
Attorney of Record

	PcLaw Matter	Lawyer	Amount	Explanation	Date Entered	Initials
Fees:	HAMM0012	BTM	\$600.00	HAMM0012UPCTUS firm charge for docketing and filing a US national stage application.	5/23/2006	BTM
Fees:						
Disbursements:	PcLaw Matter	G/L Account	Amount	Explanation	Date Entered	Initials
	HAMM0012	5010	\$1,000.00	HAMM0012UPCTUS gov. fee for docketing and filing a US national stage application.	5/23/2006	BTM

Printed: September 30, 2005 (1:31pm)

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NEIFELD REF.: HAMM0012UPCTUS

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: Banham et al.

USPTO CONFIRMATION CODE: Unknown

US OR 371 APPLICATION NO: Filed Herewith

US OR 371(C)(4) FILING DATE: Filed Herewith

GROUP ART UNIT: Unknown

TITLE: Fabrication of Cooling and Heat Transfer Systems by Electroforming

37 CFR 1.33 REQUEST TO USE CUSTOMER NUMBER 31518  
FOR CORRESPONDENCE AND ATTORNEYS OF RECORD

Please use the address associated with the customer number **31518** for the correspondence address.

Please recognize the attorneys associated with the customer number **31518** as attorneys of record.

**NEIFELD IP LAW, PC CUSTOMER NUMBER: 31518**

NEIFELD IP LAW, PC CURRENT POSTAL ADDRESS:

Neifeld IP Law, PC

4813-B Eisenhower Avenue

Alexandria, Virginia 22304

Date:

5/24/06



Richard Neifeld

Registration No. 35, 299

Attorney of Record